AMENDMENTS TO THE CLAIMS

Listing of claims:

This listing of claims replaces all prior versions and listings of claims in the application.

Claim 1 (Currently Amended): An image recognition apparatus for recognizing

movements of players matched against each other between domains partitioned with such an

obstacle as net in a sport match or game from contents including a television program being

telecasted to show the sport match or game, an image material in an uncompleted state for

broadcasting and contents recorded in such a recording medium as a VTR, the image recognition

apparatus comprising: a score information obtaining section configured to obtain score

information indicative of scores of the respective players which vary as the sport match or game

proceeds; a play event information obtaining section configured to obtain play event information

indicative of a characteristic movement of each of the players from picture information included

in the contents, the picture information containing images of respective of the obstacle and the

players, and the score information displayed on a screen, and like images; and an image

substance recognizing section configured to make a comparison between a score information

item obtained immediately before a point in time of generation of the play event information and

a score information item obtained immediately after the point in time and make reference to a

result brought by the play event information, thereby recognizing a substance of an image

provided by the play event information.

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Claim 2 (Original): The image recognition apparatus according to claim 1, wherein the

score information obtaining section is configured to obtain the score information from at least

one of the picture information included in the contents, sound information including commentary

voice of a commentator, and data information transmitted as multiplexed on radio waves during

broadcasting.

Claim 3 (Previously Presented): The image recognition apparatus according to claim 1,

further comprising: a domain element extracting section configured to extract from the picture

information facility information including information on the obstacle, information on the

domains and information on boundary lines between the domains and an area outside the

domains, player's position information indicative of a player's position, and instrument

information on an instrument moving between the domains to serve as an object of score count in

the sport match or game; rule information storage section configured to store rule information on

the sport match or game; and basic movement storage section configured to store basic

movement information on players' characteristic movements generalized in a sport of concern,

wherein the play event information obtaining section includes a play event information

determining section configured to determine a play event information item on a play event

characteristic of each of the players included in the picture information as the play event

information based on domain elements extracted from the picture information, the rule

information, and the basic movement information stored in the basic movement information

storage section.

Claim 4 (Original): The image recognition apparatus according to claim 3, wherein the

player's position information is position information indicative of a domain containing each of

the players and the instrument constantly held and used by the player.

Claim 5 (Previously Presented): The image recognition apparatus according to claim 3,

wherein the domain element extracting section is configured to extract the player's position

information from the picture information based on the facility information extracted by the

domain element extracting section.

Claim 6 (Previously Presented): The image recognition apparatus according to claim 3,

wherein the domain element extracting section is configured to extract the instrument

information from the picture information based on the facility information and the player's

position information extracted by the domain element extracting section.

Claim 7 (Previously Presented): The image recognition apparatus according to claim 3,

wherein the play event information obtaining section includes a play event index information

output section configured to output plural play event information items determined by the play

event information determining section as arranged in a time sequence.

Claim 8 (Original): The image recognition apparatus according to claim 7, wherein the

play event index information output section is configured to output the play event information

items together with instrument information items in a time sequence.

Claim 9 (Canceled)

Claim 10 (Currently Amended): An image recognition program cooperative with a

computer for causing A computer readable medium encoded with an image recognition program

such that when executed, causes an image recognition apparatus to operate to recognize

movements of players matched against each other between domains partitioned with such an

obstacle as net in a sport match or game from contents including a television program being

telecasted to show the sport match or game, an image material in an uncompleted state for

broadcasting and contents recorded in such a recording medium as a VTR, the image recognition

program being configured to cause the image recognition apparatus to function as: a score

information obtaining means configured to obtain score information indicative of scores of the

respective players which vary as the sport match or game proceeds; a play event information

obtaining means configured to obtain play event information indicative of a characteristic

movement of each of the players from picture information included in the contents, the picture

information containing images of respective of the obstacle and the players, and the score

information displayed on a screen, and like images; and an image substance recognizing means

configured to make a comparison between a score information item obtained immediately before

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a point in time of generation of the play event information and a score information item obtained

immediately after the point in time and make reference to a result brought by the play event

information, thereby recognizing image contents of the play event information.